AMSAT News Service Weekly Bulletins
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SB SAT @ AMSAT $ANS-288.01
SUMMARY OF AMSAT-NA SYMPOSIUM

HR AMSAT NEWS SERVICE BULLETIN 288.01 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
TO ALL RADIO AMATEURS BT
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AMSAT-NA Annual Meeting and Space Symposium

The 1994 AMSAT-NA Annual Meeting and Space Symposium was held October 7-9 at the Orlando, Florida Airport Holiday Inn. Attendance set a new record with 227 registered including 24 from countries outside the U.S. Countries represented were Canada, Mexico, the U.K. Germany, Switzerland, Sweden, the Azores, Argentina, Chile, Paraguay, Brazil, Panama, Jamaica, and Japan. Papers on most aspects of satellite design and operation were presented including an entire afternoon devoted to Phase 3D. The symposium was highlighted by tours of the Phase 3D Integration Facility which has been established in a Foreign Trade Zone at the Orlando International Airport. All who saw the facility and the Phase 3D spaceframe were very impressed by the quality and care going into the construction of the new satellite.

A Proceedings was published by ARRL in conjunction with the Symposium, copies of which are available from AMSAT Headquarters. For information, call Martha at 301-589-6062.

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SB SAT @ AMSAT $ANS-288.02
AMSAT-NA BOARD MEETS

HR AMSAT NEWS SERVICE BULLETIN 288.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
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AMSAT-NA Board Meets - Elects Officers

The AMSAT-NA Board of Directors met October 9 and 10 in Orlando, Florida. Topics addressed included long range planning for the organization following the completion and launch of Phase 3D, production of revenue for new projects from Phase 3D developed technology, future policies with respect to providing MICROSAT technology to overseas amateur groups, guidelines defining amateur satellites, interaction with the IARU, cooperation with various university groups building, or planning to build, satellites and the TAPR/AMSAT DSP-93 project.

In addition, officers to serve until next year's Annual Meeting were elected. These are as follows:

President	Bill Tynan W3XO
Executive Vice President	Keith Baker KB1SF
Vice President Engineering	Dick Jansson WD4FAB
Vice President Operations	Keith Pugh W5IU
Corporate Secretary/Manager	Martha Saragovitz
Treasurer	Art Feller KB4ZJ

Thus, Keith Baker replaces Ray Soifer W2RS as Executive Vice

President. This is in accordance with Ray's expressed desires.
W2RS will remain active as AMSAT-NA's principal liaison with
overseas AMSAT groups and the IARU as well as other tasks for
which he is especially suited.

A new department called "Electronic Publications" was established
and Paul Williamson KB5MU was appointed by the President as a
Vice President to head that department. Appointments of
additional officers will be made by the President shortly.

The AMSAT-NA budget for 1995 was approved. It reflects very
heavy spending for completion of Phase 3D project.

AMSAT-NA Members Win Award for Papers Presented at Institute of
Navigation Conference

Dr. Tom Clark W3IWI and Frank Bauer KA3HDO both won "Best in
Session" awards for papers presented at the Institute of
Navigation (ION) GPS-94 Conference held in Salt Lake City in late
September. W3IWI's paper was entitled "A Low Cost Spacecraft
Receiver for Orbit and Attitude Determination." It described the
GPS equipment being readied for installation in Phase 3D.
KA3HDO's paper was entitled Preflight Testing of the SPARTAN
GADACS Experiment." SPARTAN is a package, containing an amateur
transponder, to be deployed during an upcoming SHUTTLE mission.

The AMSAT News Service congratulates both AMSAT members for these
well-deserved honors.

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SB SAT @ AMSAT $ANS-288.03
AO-21 GOES SILENT

HR AMSAT NEWS SERVICE BULLETIN 288.03 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
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DB2OS Reports Sad News About AO-21

"I'm sad to inform you that AO-21 (RS-14) suddenly suspended it's
operation this morning on October 13, after more than 3 1/2 year of
successfull operation in space."

"Both the RUDAK beacon on 145.987 MHz and the CW telemetry beacon on
145.812 MHz are now completly silent. Commands to re-activate the
RUDAK beacon from ground were unsuccessful."

"At the moment it is unclear if a system fault occured or if the payload
was switched off by the INFORMATOR-1 main command station."

"On 16-NOV-94 last month, the command station for the main satellite suspended
active thermal and attitude control, as the primary mission of the
spacecraft was over. Although at the same time it was indicated that at
least the AO-21/RS-14 amateur radio payload will be still powered up and
can continue it's operation. However, it was also made clear that the
Main Commandstation will no more control INFORMATOR-1 in case of trouble."

"We are trying to find out what happened, but it may turn out that AO-21
will never come back to life again."

"Please keep your fingers crossed."

73 Peter, DB2OS

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SB SAT @ AMSAT $ANS-288.04
WEEKLY OSCAR STATUS REPORTS

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Weekly OSCAR Status Reports: 15-OCT-94

AO-13: Current Transponder Operating Schedule:

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   N QST *** AO-13 TRANSPONDER SCHEDULE ***  1994 Sep 12 - Dec 19
   Mode-B  : MA  30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses
   Mode-B  : MA 150 to MA 190 |       max duration 2h 12m
   Mode-BS : MA 190 to MA 218 |
   Mode-S  : MA 218 to MA 220 |<- S beacon only
   Mode-S  : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
   Mode-B  : MA 230 to MA  30 |        Blon/Blat 230/0
   Omnis   : MA 250 to MA 140 |  Move to attitude 180/0, Dec 19
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The battery charge state is of paramount importance during the eclipse seasons. As always the command team may have to have to make temporary changes to the published schedule. In that case we will try to minimize the inconvenience, setting Mode-B OFF from MA 230-256 in the first instance.

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[G3RUH/DB2OS/VK5AGR]

KO-25: The Keps being distributed for KO-25 are still those for Object 22830. The Keps for Object 22828 are, by general agreement, much more accurate for KO-25. W5RKN believes it is time to drop Object 22830 and distribute the Keps for KO-25 as Object 22828. [W5RKN]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ N0QCU. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

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